



April 11, 2014

Gilkerson, Hammill, & Tinsley Families
Trials End Lane
Huntersville, NC 28078

Dear Neighbors,

I am reaching out to update you on our increased efforts to monitor and remediate any environmental issues on our site. My compliance team, in coordination with DENR, installed ten gas-monitoring wells around the perimeter and four of the wells detected methane gas in exceedance of the limits. I have included the Environmental Monitoring Report that we submitted to DENR. The initial waste of the area in question was land clearing and inert debris (LCID), which can produce methane.

Tom received permission to monitor Ron's barn and shed and there was no detection of methane above the lower explosive limit. We are confident there is no danger to your residences or structures but we would like to install gas detectors as a precautionary measure. The recommended detector weighs about a pound and plugs into an electrical outlet. An alarm will sound if methane gas is detected above normal levels. I have included an agreement that explains our responsibilities regarding the purchase, installation, and maintenance of the proposed detectors.

I have instructed Scott and Tom to design a gas remediation system that will have minimal disturbance of the buffer area with blowers installed in an area that will not be visible or audible from your properties. We will give you an opportunity to review this plan as we submit it to DENR for approval. Please do not hesitate contacting Scott or Tom should you have any questions concerning the detectors, monitoring wells, or the remediation plan.

Thank you for your time and consideration as we work to preserve the health and safety of your property.

Best regards,

Mike Griffin

cc: Scott Brown • sbrown@cecinc.com • 980.237.0373 • fx 980.237.0372
Tom Bolyard • enviropo@comporium.net • 803.547.4955 • fx 803.548.2233

Agreement for the Installation of Indoor Gas Monitors

Greenway Waste Solutions, LLC will be responsible for the purchase, installation, and maintenance of the Safety Siren Pro Propane/Natural Gas Alarm Monitor (or equivalent). At the time of installation you will be provided with a written description of the detector's specifications, alarm tones if methane is detected above 25% of its lower explosive limit (LEL), and the proper course of action to take in the event the alarm sounds.

Greenway Waste Solutions (or their representative) will also establish a schedule with you for the routine maintenance and testing of the gas detectors to ensure their effective operation. Contact information will be provided identifying whom to notify if any detector becomes inoperable or malfunctions outside of the normal maintenance schedule.

I agree to the installation of indoor gas detection monitors in my structure(s) in accordance with the above description.

Name: _____ Date: _____

I decline the recommendation to have indoor gas detection monitors installed in my structure(s).

Name: _____ Date: _____

DENR USE ONLY:	<input type="checkbox"/> Paper Report <input type="checkbox"/> Electronic Data - Email CD (data loaded: Yes / No)	Doc/Event #:
NC DENR Division of Waste Management - Solid Waste		Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Enviro-Pro, PC

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Thomas H. Bolyard, P.G.

Phone: (803) 547-4955

E-mail: enviropo@comporium.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
North Mecklenburg C&D Landfill	15300 Holbrooks Road, Huntersville, NC	60-13	.0500	March 24, 2014

Environmental Status: (Check all that apply)

- ☒ Initial/Background Monitoring
 ☐ Detection Monitoring
 ☐ Assessment Monitoring
 ☐ Corrective Action

Type of data submitted: (Check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Groundwater monitoring data from monitoring wells
<input type="checkbox"/> Groundwater monitoring data from private water supply wells
<input type="checkbox"/> Leachate monitoring data
<input type="checkbox"/> Surface water monitoring data | <input checked="" type="checkbox"/> Methane gas monitoring data
<input type="checkbox"/> Corrective action data (specify) _____
<input type="checkbox"/> Other(specify) _____ |
|---|---|

Notification attached?

- ☐ No. No groundwater or surface water standards were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☒ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Thomas H. Bolyard

Senior Hydrogeologist

(803) 547-4955

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

Signature

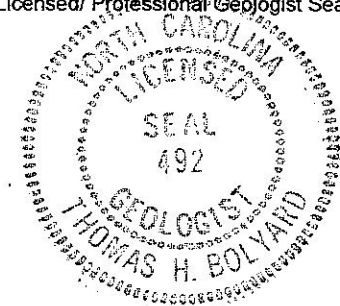
Date

Affix NC Licensed/ Professional Geologist Seal

2646 Farmlake Lane, Fort Mill, SC

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)





EXPANSION AREA 1
CLOSED C&D
LANDFILL CELL

APPROXIMATE LIMITS
OF WASTE (TYP)

CLOSED C&D
LANDFILL CELL

Mecklenburg County
19831/428
Parcel Id: 01918121

Joseph R. Wright
04647/011
Parcel Id: 01818135

William R. Hummill
21377/840

William W. Hummill
24377/846
Parcel Id: 01834108

Ron C. Gilkerson
14846/985
Parcel Id: 01834106

Civil & Environmental Consultants, Inc.
2005 Tison Street - Suite 2E - Charlotte, NC 28203
PH: 800.224.8104 FAX: 800.224.8172
WWW.C&ECONSULTING.COM

GREENWAY WASTE SOLUTIONS OF
NORTH MECK, LLC.
NORTH MECKLENBURG LANDFILL
HUNTERVILLE, NC
PHASE 1
MONITORING WELL LOCATION MAP

DRAWN BY:	TMG	CHECKED BY:	SLB	APPROVED BY:	TMG
DATE:	AUG. 2013	DWG SCALE:	1"=200'	PROJECT NO.:	111 3702.001
FIGURE NO.:		1			

- DIRECTOR NOTES:**
- 1) This property may be subject to any easements and/or right-of-way of record.
 - 2) Boundary information based on Deed Book 28620 at Page 871, Deed Book 16405 Page 134 and Deed Book 19849 at Page 804 & 808, Deed Book 18890 at Page 981, Deed Book 20829 at Page 873, Deed Book 25230 at Page 719, Deed Book 25230 at Page 741, Deed Book 25438 at Page 587 as recorded in the Mecklenburg County Register of Deeds.
 - 3) Area by coordinate method.
 - 4) This survey is a reestablishment survey of the following Parcel Id numbers, 01919102, 01910108, 01919112, 01918202, 01919113, 01810112, 01919114, 01910102, 01910117 and 01831102.

Linda Wester Long
6116/863
Parcel Id: 01830105

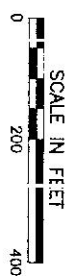
- LEGEND**
- APPROXIMATE LIMITS OF WASTE (TYP)
 - APPROXIMATE LIMITS OF WASTE
 - BOUNDARY
 - EXISTING CREEK
 - APPROXIMATE LOCATION OF EXISTING MONITORING WELL
 - APPROXIMATE LOCATION OF PROPOSED SHALLOW MONITORING WELL
 - APPROXIMATE LOCATION OF PROPOSED DEEP MONITORING WELL

APPROXIMATE LOCATION OF PROPOSED GAS MONITORING WELL

REFERENCE

1. 2013 TOPOGRAPHIC INFORMATION PROVIDED BY PATTERSON LAND SURVEYING, PA - DATE OF AERIAL PHOTOGRAPHY JUNE 1, 2013
2. EXISTING TOPOGRAPHIC CONTOUR INFORMATION PROVIDED BY INDEPENDENT MAPPING CONSULTANTS - FEBRUARY 7, 2008
3. EXISTING AND PROPOSED WELL LOCATIONS PROVIDED BY PATTERSON LAND SURVEYING AND TOM BOLYARD, P.G. FROM ENVIRO-PRO, P.C.

Map Modified by Enviro-Pro, PC on Jan 21, 2014



LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-1

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Bolyard

Time: 10:30 AM

Ambient
Temperature: 54°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, Mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 0 % LEL: 0

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-2

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Bolyard

Time: 10:40 AM

Ambient
Temperature: 54°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 0 % LEL: 0

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-3

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Bolyard

Time: 10:50 AM

Ambient Temperature: 55°F

Barometric Pressure: 30.12

Weather Conditions: Cloudy, mild

Soil Moisture Conditions: Sl. Moist

Condition of Well: Good

Methane Reading: % Methane: 28.9 % LEL: 100

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-4

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217 (A)

Date: 3-24-14

Personnel: B. Bolyard

Time: 11:10 AM

Ambient
Temperature: 55°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 5.1 % LEL: low

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-5

Project Name: NMIF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Bolyard

Time: 11:20 AM

Ambient
Temperature: 56°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 6.2 % LEL: 100

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: 6-W-6

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Bolgard

Time: 11:30 AM

Ambient
Temperature: 56°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 31.6 % LEL: 100

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-7

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217 (A)

Date: 3-24-14

Personnel: B. Bolyard

Time: 11:40 AM

Ambient
Temperature: 56°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 0 % LEL: 0

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: 6-W-8

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Belgard

Time: 11:50 AM

Ambient Temperature: 57°F

Barometric Pressure: 30.12

Weather Conditions: Cloudy, Mild

Soil Moisture Conditions: Sl. Moist

Condition of Well: Good

Methane Reading: % Methane: 1.2 % LEL: 24

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: GW-9

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(A)

Date: 3-24-14

Personnel: B. Balyard

Time: 12:00 PM

Ambient
Temperature: 57°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, Mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 0 % LEL: 0

Hydrogen Sulfide: Date of Calibration: 3/11/14

LANDFILL GAS MONITORING FIELD DATA

Well Number: EW-10

Project Name: NMLF

Location: Huntersville, NC

Project Number: EP-1217(17)

Date: 3-24-14

Personnel: B. Bolyard

Time: 12:10 PM

Ambient
Temperature: 57°F

Barometric
Pressure: 30.12

Weather
Conditions: Cloudy, mild

Soil Moisture
Conditions: Sl. Moist

Condition
of Well: Good

Methane
Reading: % Methane: 0 % LEL: 0

Hydrogen Sulfide: Date of Calibration: 3/11/14